

SPATCO

RECEIVED
N.C. Dept. of EHNR

AUG 30 1995

Winston-Salem
Regional Office

UNDERGROUND STORAGE TANK CLOSURE REPORT

The closure report should contain, at a minimum, the following information. Any other information that is pertinent to the site should be included.

I. General Information

A. Ownership of UST(s)

1. Name of UST owner:

North Carolina Army National Guard

2. Owner address and telephone number:

4105 Reedy Creek Road
Raleigh, NC 27607-6410
(919) 664-6410

B. Facility Information

1. Facility name:

Greensboro National Guard

2. Facility ID #:

0-033135

3. Facility address, telephone number and county:

110 Franklin Boulevard
Greensboro, North Carolina 27405
Guilford County
(910) 334-5912



C. Contacts

1. Name, address, telephone number and job title of primary contact person:

Mr. Todd Preddy
Environmental Projects Coordinator
Office of the Adjutant General
4105 Reedy Creek Road
Raleigh, North Carolina 27607-6410
(919) 664-6392

2. Name, address and telephone number of closure contractor:

SPATCO Environmental, Incorporated
130 Penmarc Drive Suite 112
Raleigh, North Carolina 27603
(919) 832-2535

3. Name, address and telephone number of primary consultant:

Michael D. Shaw
3310-A Timberbrook Drive
Charlotte, North Carolina 28208
(704) 391-7443

4. Name, address, telephone number, and State certification number of laboratory:

Hydrologic, Incorporated
2500 Gateway Centre Blvd. Suite 900
Morrisville, North Carolina 27560
(919) 380-9699
Certification Number: 399

D. UST Information

Tank no.	Installation dates	Size in Gallons	Tank Dimensions	Last Contents	Previous Contents (if any)
1	1962	1,000	5'4" x 6'0"	Heating oil (#2)	Unknown
2	1962	2,000	5'4" x 12'0"	Diesel fuel	Unknown

E. Site Characteristics

1. Describe any past releases at this site:

None known at this time.

2. Is the facility active or inactive at this time? If the facility is inactive note the last time the USTs were in operation:

The Greensboro Armory is currently active as a maintenance and storage facility. There is one 2,000-gallon diesel UST and one 8,000-gallon heating oil UST still on site.

3. Describe surrounding property use (for example, residential, commercial, farming, etc.)

The surrounding area is primarily residential.

4. Describe site geology/hydrogeology:

Based on the 1985 Geologic Map of North Carolina, the site is underlain by metamorphosed granite rock. Neither water nor bedrock were encountered during the excavation.

The site is located at approximately 790 feet above sea level and regional surficial flow appears to be generally to the southeast. A stream passes 500 feet south of the site and drains into South Buffalo Creek.

II. Closure Procedures

A. Describe preparations for closure including the steps taken to notify authorities, permits obtained and the steps taken to clean and purge the tanks.

Prior to UST removal, a Notification of Intent for Permanent Closure (GW/UST-3) was filed with the North Carolina Department of Environmental Health and Natural Resources Winston-Salem Regional Office by the North Carolina Army National Guard. The local fire department was notified and proper permits were obtained prior to UST removal. Ms. Kelly Gage of Guilford County Emergency Services was also properly notified.

B. Note the amount of residual material pumped from the tank(s):

The 1,000-gallon heating oil UST (UST-1) had less than .5 inches of product prior to excavation, therefore no product was removed. Approximately 100 gallons of product were removed from the 2,000-gallon diesel UST (UST-2), utilizing a product pump, and placed in two 55-gallon drums.

C. Describe the storage, sampling and disposal of the residual material:

SPATCO Environmental, Incorporated removed the residual product before excavating UST-2 and later transported the two resulting 55-gallon drums to Southern Pump and Tank Company, Incorporated, where they are currently awaiting proper disposal by Noble Oil.

UST-1 was cleaned, transported, and properly disposed of by Southern Tank and Environmental, Incorporated of Indian Trail, North Carolina. UST-2 was cleaned and transported for disposal to K and L Scrap Services, Incorporated in Raleigh, North Carolina by SPATCO Environmental, Incorporated.

D. Excavation

Note: Refer to the "Groundwater Section Guidelines for the Investigation and Remediation of Soils and Groundwater" on limiting excavations. The Trust Fund will not pay for excessive excavation unless it is justified and verified by laboratory results.

1. Describe excavation procedures noting the condition of the soils and the dimensions of the excavation in relation to the tanks, piping and/or pumps:

A backhoe was used to remove the fill material over and around the USTs. The dimensions of the UST-1 excavation were 13' x 7' x 7'. The dimensions of the UST-2 excavation were 19' x 9' x 8'. The USTs were purged with dry

ice and removed after the oxygen levels in the tanks were lower than 8%. Oxygen levels inside the USTs were measured with a Neotronics Exotox 40 Portable Gas Monitor.

2. Note the depth of tank burial(s) (from land surface to top of tank:

The tops of the USTs were approximately 2 feet below land surface (bls).

3. Quantity of soil removed:

There was no soil excavated from this site.

4. Describe soil type(s):

The soil encountered during the removal activities was a clayey silt.

5. Type and source of backfill used:

The backfill was supplied Long Brothers of Summerfield, Incorporated of Kernersville, North Carolina. Approximately 8 cubic yards of fill dirt was used to backfill the UST-1 excavation and 16 cubic yards of fill dirt and 6 cubic yards of ABC stone was used to backfill the UST-2 excavation.

E. Contaminated Soil

Note: Suspected contaminated soil should be segregated from soil that appears to be uncontaminated and should be treated as contaminated until proven otherwise. It should not be used as backfill.

1. Describe how it was determined to what extent to excavate the soil:

No soil was excavated at this site due to low OVA readings obtained during soil screening.

2. Describe method of temporary storage, sampling and treatment/disposal of soil:

Not applicable.

III. Site investigation

A. Provide information on field screening and observations, include methods used to calibrate field screening instrument(s):

Soil samples were collected and divided into two representative portions. The first portion of each sample was placed in a polyethylene bag for a minimum of five minutes to allow any petroleum hydrocarbons to volatilize. An organic vapor analyzer (OVA) was used to screen the headspace of the bagged sample for volatile hydrocarbons. OVA readings were all less than 1 part per million (ppm). Table 1 presents the OVA reading results.

B. Describe soil sampling points and sampling procedures used, including:

Note: Refer to the "Groundwater Section Guidelines for the Investigation and Remediation of Soils and Groundwater" for information about sampling requirements.

Two soil samples were collected from beneath the bases of each UST utilizing a backhoe bucket. Samples GB-1 and GB-2, from UST-1 excavation, were taken at a depth of seven feet below ground surface (bgs). Samples from UST-2 excavation, GB-3 and GB-4, were collected from a depth of 8 feet bgs. The dispenser island was located above the UST excavation, therefore no additional samples were required.

C. Describe groundwater or surface water sampling procedures used, including:

Note: Refer to the "Groundwater Section Guidelines for the Investigation and Remediation of Soils and Groundwater" for information about sampling requirements.

Not applicable. Groundwater was not encountered during the UST removal activities.

D. Quality control measures

Samples were immediately placed in laboratory supplied glass containers, sealed with Teflon lined caps, and placed in an iced cooler. Samples were maintained at 4°C and submitted under chain-of-custody procedures to Hydrologic, Incorporated for laboratory analysis.

Samples GB-1 through GB-4 were collected from the UST excavation on April 5, 1995 between 4:00 and 5:50 and submitted for laboratory analysis on April 12, 1995.

E. Investigation results

Referring to Table 1, the samples were analyzed by EPA Method 8015 with a 3550/5030 sample preparation. All analyses by method 5030 were below detection limits. Two of the four samples analyzed by method 3550 contained TPH concentrations above analytical detection limits. The two samples from the 1,000 gallon heating oil UST, GB-1 and GB-2, had TPH concentrations of 3.04 mg/kg and 7.89 mg/kg, respectively.

A Site Sensitivity Evaluation (SSE) was not performed due to the results of all samples being below NCDEM Reportable Concentrations.

IV. Conclusions and Recommendations

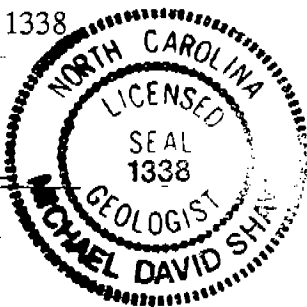
Analytical results from all samples collected at this site were below NCDEM Reportable Concentrations. Based on these results, no further assessment is recommended for this site.

V. Signature of Professional Engineer or Licensed Geologist

Professional Engineer Registration #:
Licensed Geologist License #: 1338



Michael D. Shaw
3310-A Timberbrook Drive
Charlotte, NC 28208



5-18-95

Date

VI. Enclosures

A. Figures

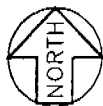
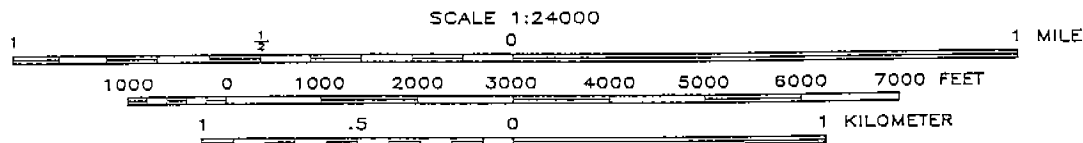
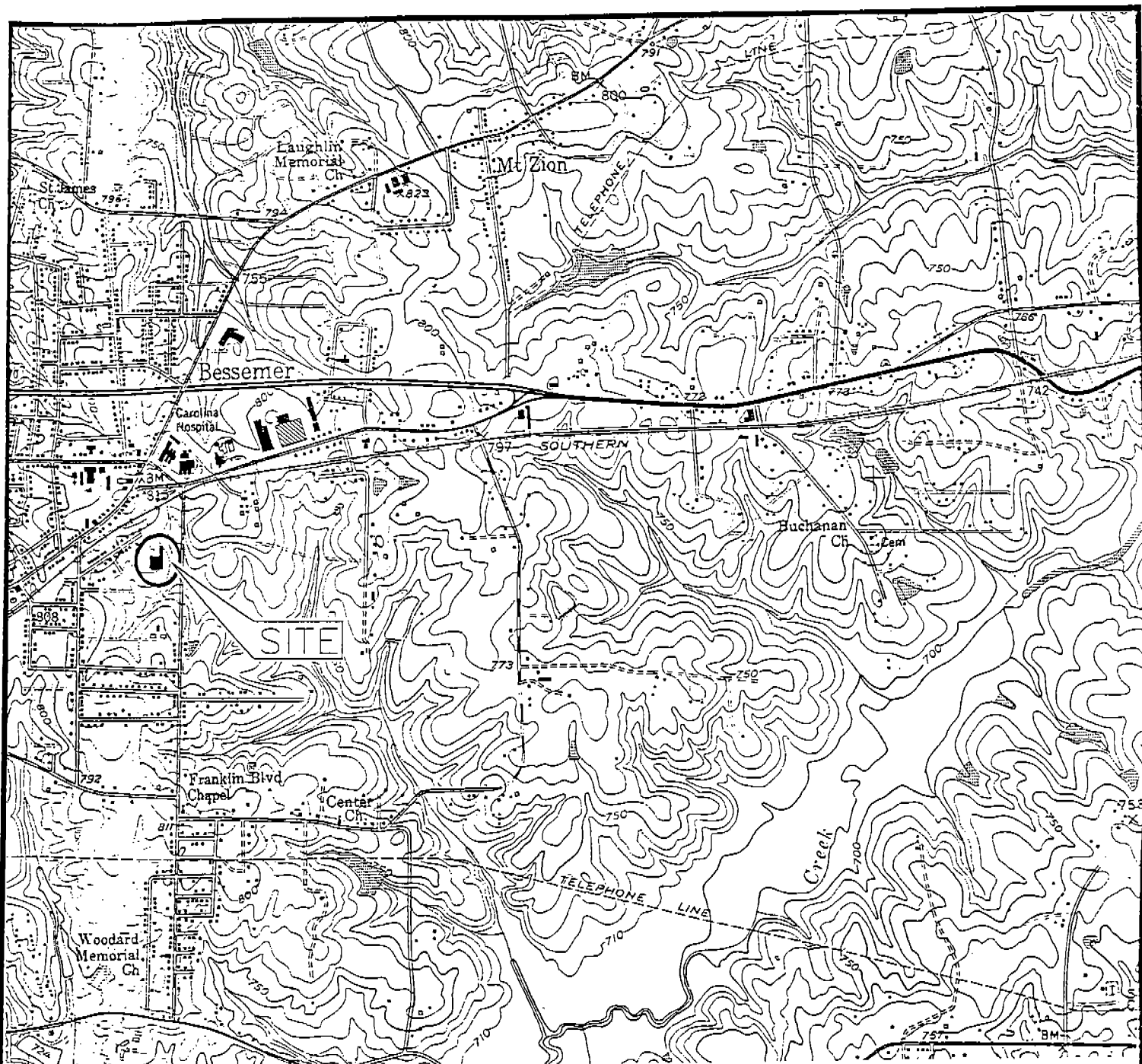
1. Area Map(s) (can be USGS Topographic Quadrangle) showing:
 - Adjacent streets, roads, highways with names and numbers
 - Buildings
 - Known distance to public water supply well(s)
 - Distance to known private water supply well(s)
 - Surface water bodies
 - Groundwater flow direction (if available)
 - Scale
 - North arrow
2. Site map of UST excavation area drawn to scale, showing:
 - Buildings
 - Underground utilities such as sewer lines and other conduits
 - Orientation of UST(s), pumps, and product lines
 - Length, diameter and volume of USTs
 - Type of material(s) stored in USTs (currently and previously)
 - Sample locations (identified by letter or number)
 - Final limits of excavation
 - North arrow
 - Scale
3. Maps depicting analytical results, to include:
 - Orientation of UST(s), pumps, and product lines
 - Sample locations, depths, and identifications
 - Analytical results
 - Final limits of excavation(s)

B. Tables

1. Field screening results
2. Sample identifications with depths and analyses (Included in Table 1)
3. Sample identifications with results and dates that samples were taken (Included in Table 1)

C. Appendices

- Appendix A: Notification of intent to close (GW/UST-3)
- Appendix B: Site Investigation Report for Permanent Closure or Change-in-Service of UST (GW/UST-2)
- Appendix C: Certificate of tank disposal
- Appendix D: Soil, water, sludge disposal manifests
- Appendix E: Complete chain-of-custody records
- Appendix F: Copy of all laboratory analytical records
- Appendix G: Site Sensitivity Evaluation (SSE) (Not Applicable)
- Appendix H: Photographs of Closure Activities (Not Applicable)
- Appendix I: Geologic logs for excavation (Not Applicable)



QUADRANGLE LOCATION

MCLEANSVILLE, N. C.

N3600-W7937.5/7.5

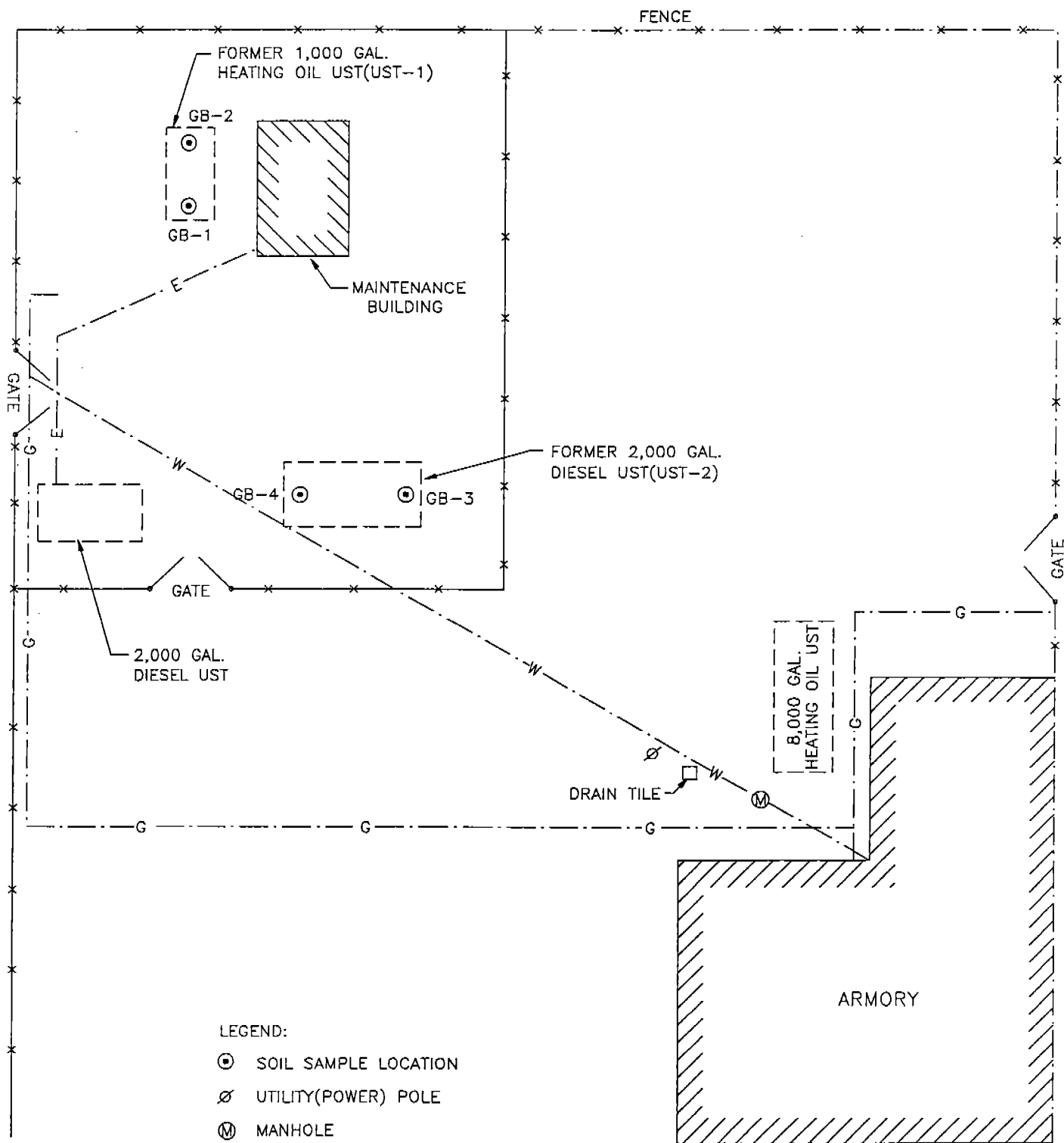
1952
PHOTOREVISED 1968
AMS 5056 II SW—SERIES V842

SPATCO environmental

FIGURE 1: USGS QUADRANGLE MAP
GREENSBORO NATIONAL GUARD
110 FRANKLIN BOULEVARD
GREENSBORO, NORTH CAROLINA

WO #: 9-6043

DATE: 10/12/93
DRAWN BY: JCJ



LEGEND:

- ⊙ SOIL SAMPLE LOCATION
- Ø UTILITY(POWER) POLE
- Ⓜ MANHOLE

--- UTILITY LINE, G= GAS, W= WATER, E= ELECTRIC



0 10 20 FT.

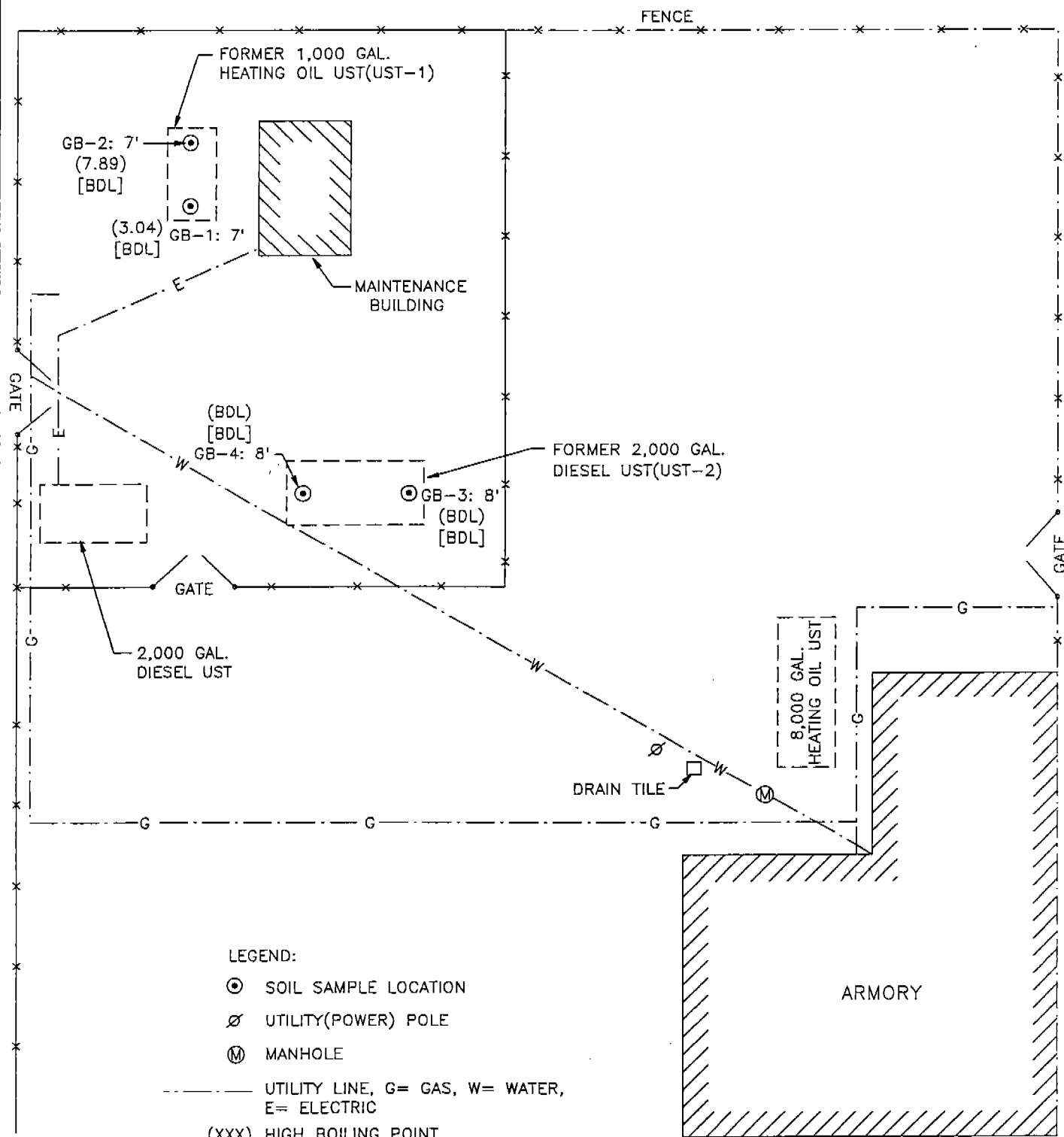
APPROXIMATE SCALE

SPATCO Environmental, Inc.

FIGURE 2: SITE MAP
GREENSBORO NATIONAL GUARD
110 FRANKLIN BLVD.
GREENSBORO, NC

WO #9-6043
DWG #GB6043F2

DATE: 5/12/95
DRAWN BY: JCJ



LEGEND:

⊙ SOIL SAMPLE LOCATION

Ø UTILITY(POWER) POLE

Ⓜ MANHOLE

--- UTILITY LINE, G= GAS, W= WATER,
E= ELECTRIC

(XXX) HIGH BOILING POINT
HYDROCARBON CONCENTRATIONS(ppm)

[XXX] LOW BOILING POINT
HYDROCARBON CONCENTRATIONS(ppm)

BDL= BELOW DETECTION LIMITS



0 10 20 FT.

APPROXIMATE SCALE

SPATCO Environmental, Inc.

FIGURE 3: SITE MAP
GREENSBORO NATIONAL GUARD
110 FRANKLIN BLVD.
GREENSBORO, NC

WO #9-6043
DWG #GB6043F3

DATE: 5/12/95
DRAWN BY: JCJ

FRANKLIN BOULEVARD

TABLE 1

Soil Sample Analytical Summary					
Greensboro National Guard 110 Franklin Boulevard Greensboro, North Carolina SPATCO Project Number 9-6043					
Sample ID	Date Sampled	Depth (feet)	OVA Screening Results (ppm)	EPA Method 3550 Results (mg/kg)	EPA Method 5030 Results (mg/kg)
GB-1	4/5/95	7	< 1	3.04	BDL
GB-2	4/5/95	7	< 1	7.89	BDL
GB-3	4/5/95	8	< 1	BDL	BDL
GB-4	4/5/95	8	< 1	BDL	BDL
North Carolina DEM Reportable Concentration				40	10

ppm - parts per million

mg/kg - milligrams per kilogram

BDL - below detection limits

SPATCO 

APPENDIX A

GW/UST-3 Notice of Intent: UST Permanent Closure or Change-in-Service

FOR
TANKS
IN
NC

Return Completed Form To:
The appropriate DEM Regional Office according to the county of the facility's location. (SEE REVERSE SIDE OF OWNER'S COPY (PINK) FOR REGIONAL OFFICE ADDRESS).

State Use Only
I. D. Number _____
Date Received _____

INSTRUCTIONS

Complete and return thirty (30) days prior to closure or change-in-service.

I. OWNERSHIP OF TANK(S)

Tank Owner Name: NC Army National Guard
(Corporation, Individual, Public Agency, or Other Entity)
Street Address: 4105 Reedy Creek Road
County: Hake
City: Raleigh State: NC Zip Code: 27607-6410
Tel. No. (Area Code): 919/664-6392

II. LOCATION OF TANK(S)

Facility Name or Company: OMS #9
Facility ID # (if available): 0-033135
Street Address or State Road: 110 Franklin Blvd
County: Guilford City: NC Zip Code: 27405
Tel. No. (Area Code): 910/334-5413

III. CONTACT PERSON

Name: Todd Freddy Job Title: Environmental Projects Coordinator Telephone Number: (919) 664-6392

IV. TANK REMOVAL, CLOSURE IN PLACE, CHANGE-IN-SERVICE

1. Contact Local Fire Marshall.
2. Plan the entire closure event.
3. Conduct Site Soil Assessments.
4. If Removing Tanks or Closing in Place refer to API Publications 2015 "Cleaning Petroleum Storage Tanks" & 1604 "Removal & Disposal of Used
5. Provide a sketch locating piping, tanks and soil sampling locations.
6. Fill out form GW/UST-2 "Site Investigation Report for Permanent Closure" and return within 30 days following the site investigation.
7. The site assessment portion of the tank closure must be conducted under the supervision of a Professional Engineer or Licensed Geologist. After January 1, 1994, all closure site assessment reports must be signed and sealed by a P.E. or L.G.
8. Keep closure records for 3 years.

V. WORK TO BE PERFORMED BY:

(Contractor) Name: SPATCO
Address: 130 Penmarc Dr., Unit 112 State: NC Zip Code: 27603
Contact: David Broughton Phone: 919/832-2535
Primary Consultant: _____ Phone: _____

VI. TANK(S) SCHEDULED FOR CLOSURE OR CHANGE-IN-SERVICE

TANK ID#	TANK CAPACITY	LAST CONTENTS	PROPOSED ACTIVITY		
			CLOSURE		CHANGE-IN-SERVICE
			Removal	Abandonment in Place	New Contents Stored
<u>001</u>	<u>2000</u>	<u>Diesel</u>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
<u>003</u>	<u>1000</u>	<u>Heating Oil</u>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
			<input type="checkbox"/>	<input type="checkbox"/>	
			<input type="checkbox"/>	<input type="checkbox"/>	
			<input type="checkbox"/>	<input type="checkbox"/>	
			<input type="checkbox"/>	<input type="checkbox"/>	
			<input type="checkbox"/>	<input type="checkbox"/>	
			<input type="checkbox"/>	<input type="checkbox"/>	

VII. OWNER OR OWNER'S AUTHORIZED REPRESENTATIVE

Print name and official title
Todd Freddy Environmental Projects Coordinator *Scheduled Removal Date April 10, 1995
Signature: Todd Freddy Date Submitted: April 4, 1995

*If scheduled work date changes, notify your appropriate DEM Regional Office 48 hours prior to originally scheduled date.

SPATCO 

APPENDIX B

FOR
TANKS
IN
NC

Return Completed Form To:

The appropriate DEM Regional Office according to the county of the facility's location.
(SEE MAP ON REVERSE SIDE OF OWNER'S COPY (PINK) FOR REGIONAL OFFICE ADDRESS).

State Use Only

I.D. Number _____

Date Received _____

INSTRUCTIONS

Complete and return within (30) days following completion of site investigation

I. Ownership of Tank(s)

II. Location of Tank(s)

North Carolina National Guard
Owner Name (Corporation, Individual, Public Agency, or Other Entity)
4105 Reedy Creek Road
Street Address
Wake
County
Raleigh, North Carolina 27607
City State Zip Code
(919) 664-6410
Area Code Telephone Number

Greensboro Natinal Guard
Owner Name (Corporation, Individual, Public Agency, or Other Entity)
110 Franklin Boulevard
Street Address
Guilford
County
Greensboro North Carolina 27401
City State Zip Code
(910) 334-5912
Area Code Telephone Number

III. Contact Person

Mr. Todd Preddy Environmental Projects Coordinator (919) 664-6392
Name Job Title Telephone No. (Area Code)
Closure Contractor SPATCO Environmental 130 Penmarc Drive, Suite #112, Raleigh, N.C. (919) 832-2535
(Name) (Address) Telephone No. (Area Code)
Lab Hydrologic, Inc. 2500 Gateway Centre Blvd., Suite #900, Morrisville, N.C. (919) 380-9699
(Name) (Address) Telephone No. (Area Code)

IV. U.S.T. Information

V. Excavation Condition

VI. Additional Information Required

Tank No.	Size in Gallons	Tank Dimensions	Last Contents	Water in Excavation		Free Product		Notable Odor or Visible Soil Contamination	
				Yes	No	Yes	No	yes	No
1	1,000	5'4" x 6'	Heating Oil		X		x		x
2	2,000	5'4" x 12'	Diesel		X		x		x

See reverse side of pink copy (owner's copy) for additional information required by N.C. - DEM in the written report and sketch.

VII. Check List

Check the activities completed.

- ☒ Contact local fire marshall
☒ Notify DEM Regional Office before abandonment
☒ Drain & Flush piping into tank.
☒ Remove all product and residuals from tank.
☒ Excavate down to tank.
☒ Clean and inspect tank.
☒ Remove drop tube, fill pipe, gauge pipe, vapor recovery tank connection, submersible pumps and other tank fixtures
☒ Cap or plug all lines except the vent and fill lines.
☒ Purge tank of all product & flammable vapors.
☐ Cut one or more large holes in the tanks.
☒ Backfill the area.
 Date Tank(s) Permanently Closed: April 5, 1995
 Date of Change-in-Service: _____

- ABANDONMENT IN PLACE
- ☐ Fill tank until material overflows tank opening;
☐ Plug or cap all opening;
☐ Disconnect and cap or remove vent line
☐ Solid inert material used - specify: _____

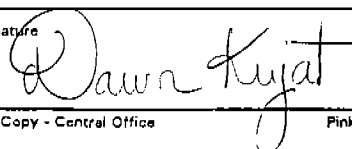
- REMOVAL
- ☒ Create vent hole
☒ Label tank
☒ Dispose of tank in approved manner
 Final tank destination: K and L Scrap Services, Inc.
2310 Old Garner Road Raleigh, North Carolina

VIII. Certification (Read and Sign)

I certify under penalty of law that I have personally examined an am familiar with the information submitted in this and all attached documents, and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the submitted information is true, accurate, and complete.

Print name and official title of owner or owner's authorized representative
Dawn L. Kujat, Staff Engineer

Signature



Date Signed

5/15/95

SPATCO 

APPENDIX C

SOUTHERN TANK & ENVIRONMENTAL, INC.

CERTIFICATE OF DISPOSAL

FEDERAL/CERTIFICATE # 56-1669418/10211 DATE 4/10/95

CONTRACTOR

SPATCO Environmental, Inc.

130 Penmarc Dr. Suite 112

Raleigh, N.C. 27603

LOCATION

National Guard

110 Franklin Blvd

Greensboro, N.C.

TYPE OF TANK

UST 1,000 gallon

SIZE

STD

CONTENT IN GAL.

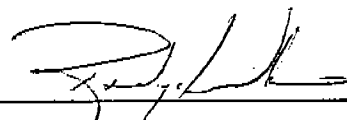
Less than 1%

TANK ID#

STDS-4289

Southern Tank & Environmental, Inc. certifies that the above mentioned tanks have been properly disposed of at 319 Lawyers Rd., Indian Trail, NC, and the contents and sludges processed in full compliance with Local, State and Federal regulations.

Southern Tank & Environmental, Inc.



Randy L. Williams

SPATCO Environmental Services
Certification of Tank Disposal
(In accordance with American Petroleum Institute recommended practice)

Client	Job No.	Date
North Carolina National Guard	9-6043	April 5, 1995

Site from which the drum(s) were removed
Greensboro National Guard

Site to which the drum(s) were to be transported for final disposal
K and L Scrap Service, Inc., 2310 Old Garner Road, Raleigh, North Carolina

Tank Description

2,000 gallon UST

Size	Type (steel, fiberglass, plastic, etc)	Condition
5'4" x 12'	Steel	Light pitting, surface rust

Prior contents
Diesel fuel

Tank Markings
None

Transportation

This is to certify that the above described tank(s) have been received and will be transported to the disposal site as specified above.

Signed (driver)	Shipper or Hauler	Date
<i>[Signature]</i>	SPATCO	5-12-95

Received for Disposal

This is to certify that the above described tank(s) have been received for disposal and will be disposed of in accordance with applicable regulatory requirements.

Signed	Disposal Facility	Date
<i>[Signature]</i>	K & L Scrap	5/12/95

Cleaning Certification

This is to certify that the above described tank(s) have been cleaned in accordance with API methods and procedures and has been rendered suitable for disposal scrap. All product residues were removed and the interior of the tank(s) were tested and found to be free of harmful vapors.

Signed	Company	Date
<i>[Signature]</i>	SPATCO Environmental	5-12-95

Disposal Certification

This is to certify that the above described tank(s) have been disposed of in accordance with applicable regulatory requirements.

Signed	Disposal Facility	Date
<i>[Signature]</i>	SPATCO	5-12-95

SPATCO 

APPENDIX D

SPATCO

CERTIFICATE OF DISPOSAL

SPATCO Environmental Services
130 Penmarc Drive, Suite 112
Raleigh, North Carolina 27603
(919) 832-2535

Product Type: Diesel Fuel

Product Type: _____

Amount of Product: 100 gallons

Amount of Product: _____

Former Tank Location:

NCARNG Greensboro

110 Franklin Boulevard

Greensboro, NC 27401

This is to certify that on April 7, 1995 the above product was transported to Southern Pump and Tank Company, Incorporated and will be disposed of through Petroleum Reclamation.

Certified by:

Dawn Kujat

Date:

5/11/95

Notarized:

Mary R. Byers

Date:

5/11/95

(Notary Stamp)

SPATCO 

APPENDIX E

CHAIN OF CUSTODY

REPORT TO:

SATCO 31104401

130 Permate Drive

Raleigh, NC.

7
A f f i D o B L

51956467

HydroLogic, Inc.
2500 Gateway Centre Blvd., Suite 900

Morrisville, NC 27560

800-241-4174

919-380-9699

PAGE 1 OF 1

CLIENT: NCARMS - Greensboro

PHONE: 832-2535

PROJ #: 9-6043 PO #: 01547

SAMPLER: F. Turlington

FIELD ID	SAMPLE MATRIX	TIME COLLECTED	DATE COLLECTED
----------	------------------	-------------------	-------------------

4-595	4.00	191	X
-------	------	-----	---

BB-2	9/1	4.15	4-5-95	X
------	-----	------	--------	---

SB-2	5.45	4-5-95	X
------	------	--------	---

5B-4	5.50	45.95	X
------	------	-------	---

ANALYSES

PROJECT ID #: 9-6043

REPORT DUE: 5 Day

VERBAL, FAX COPY, HARD COPY

VERBAL, FAX COPY

REMARKS

Heating oil

Diesel

100

100

3

RELINQUISHED BY: Duoma

RECEIVED BY: C. Maggarella

RECEIVED BY:

DATE / TIME: 4-11 13:38

DATE / TIME: 4/11 1330

RELINQUISHED BY:

DATE / TIME: 0-1126

DATE / TIME:

RELINQUISHED BY:

DATE / TIME:

DATE / TIME:

DISPATCHED BY:

DATE / TIME:

RECEIVED BY:

DATE / TIME: 4/12/98 11:00

SPATCO 

APPENDIX F

April 17, 1995

REPORTING:

HydroLogic-Morris., Inc.
2500 Gateway Centre
Suite #900
Morrisville, NC 27560

Attention: Pomeroy Smith

INVOICING:

HydroLogic-Morris., Inc.
2500 Gateway Centre
Suite #900
Morrisville, NC 27560

PROJECT NUMBER: FL956464

DATE COMPLETED: April 17, 1995

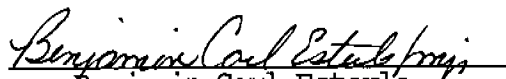
DATE RECEIVED: April 12, 1995

PROJECT DESCRIPTION:

Spatco Env./NCARNG-Greensboro #9-6043---4 soil samples analyzed for 3550/5030.

Enclosed is the laboratory report for the project described above. If you have any questions or if we can be of further assistance, please feel free to contact Jamie Fore. We appreciate your business and look forward to serving you again soon.

Respectfully,


Benjamin Carl Esterle
Laboratory Director

H Y D R O L O G I C , I N C .

COMPANY NAME: HydroLogic-Morris., Inc.
COMPANY PROJECT NUMBER: Spatco Env./NCARNG-Greensboro #9-6043

HYDROLOGIC PROJECT NUMBER: FL956464
HYDROLOGIC SAMPLE NUMBER: 956464
HYDROLOGIC LAB I.D. #: 399
SAMPLE IDENTIFICATION: GB-1
DATE SAMPLED: 4/5/95
DATE EXTRACTED: 4/12/95
DATE/TIME ANALYZED: 4/17/95 4/14/95

METHOD TPH 3550/5030

<u>ANALYSIS</u>	<u>CAS NO.</u>	<u>SDL</u> (mg/kg)	<u>RESULT</u> (mg/kg)
Diesel		1.2	3.04
Gasoline		2.0	BDL

BDL = Below Sample Detection Limit
SDL = Sample Detection Limit

COMMENTS: _____

H Y D R O L O G I C , I N C .

COMPANY NAME: HydroLogic-Morris., Inc.
COMPANY PROJECT NUMBER: Spatco Env./NCARNG-Greensboro #9-6043

HYDROLOGIC PROJECT NUMBER: FL956464
HYDROLOGIC SAMPLE NUMBER: 956465
HYDROLOGIC LAB I.D. #: 399
SAMPLE IDENTIFICATION: GB-2
DATE SAMPLED: 4/5/95
DATE EXTRACTED: 4/12/95
DATE/TIME ANALYZED: 4/17/95 4/14/95

METHOD TPH 3550/5030

<u>ANALYSIS</u>	<u>CAS NO.</u>	<u>SDL</u> (mg/kg)	<u>RESULT</u> (mg/kg)
Diesel		1.6	7.89
Gasoline		2.0	BDL

BDL = Below Sample Detection Limit
SDL = Sample Detection Limit

COMMENTS: _____

H Y D R O L O G I C , I N C .

COMPANY NAME: HydroLogic-Morris., Inc.
 COMPANY PROJECT NUMBER: Spatco Env./NCARNG-Greensboro #9-6043

HYDROLOGIC PROJECT NUMBER: FL956464
 HYDROLOGIC SAMPLE NUMBER: 956466
 HYDROLOGIC LAB I.D. #: 399
 SAMPLE IDENTIFICATION: GB-3
 DATE SAMPLED: 4/5/95
 DATE EXTRACTED: 4/12/95
 DATE/TIME ANALYZED: 4/17/95 4/14/95

METHOD TPH 3550/5030

ANALYSIS	CAS NO.	SDL (mg/kg)	RESULT (mg/kg)
Diesel		1.2	BDL
Gasoline		2.0	BDL

BDL = Below Sample Detection Limit
 SDL = Sample Detection Limit

COMMENTS: _____

H Y D R O L O G I C , I N C .

COMPANY NAME: HydroLogic-Morris., Inc.
 COMPANY PROJECT NUMBER: Spatco Env./NCARNG-Greensboro #9-6043

 HYDROLOGIC PROJECT NUMBER: FL956464
 HYDROLOGIC SAMPLE NUMBER: 956467
 HYDROLOGIC LAB I.D. #: 399
 SAMPLE IDENTIFICATION: GB-4
 DATE SAMPLED: 4/5/95
 DATE EXTRACTED: 4/12/95
 DATE/TIME ANALYZED: 4/17/95 4/14/95

METHOD TPH 3550/5030

<u>ANALYSIS</u>	<u>CAS NO.</u>	<u>SDL</u> (mg/kg)	<u>RESULT</u> (mg/kg)
Diesel		1.3	BDL
Gasoline		2.0	BDL

BDL = Below Sample Detection Limit
 SDL = Sample Detection Limit

COMMENTS: _____